

Run on: August 19, 2003, 20:02:59 ; Search time 67 seconds
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OM nucleic - nucleic search, using sw mode

Minimum DB seq length: 0
 Maximum DB seq length: 30

Post-processing: Minimum Match 0%, Maximum Match 100%
 Listing first 45 summaries

Database :

- 1: Issued Patents-NA:*
- 2: /cgns2_6/ptodata/1/lnna/5A_COMB.seq:*
- 3: /cgns2_6/ptodata/1/lnna/6A_COMB.seq:*
- 4: /cgns2_6/ptodata/1/lnna/6B_COMB.seq:*
- 5: /cgns2_6/ptodata/1/lnna/PTUS_COMB.seq:*
- 6: /cgns2_6/ptodata/1/lnna/backfiles1.seq:*

Scoring table: IDENTITY_NUC
 Perfect score: 20
 Sequence: 19
 Scoring table: Gapop 10.0 , Gapext 1.0

Searched: 569978 seqs, 220691566 residues

Total number of hits satisfying chosen parameters: 547746

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query	Length	DB ID	Description
1	18.4	92.0	20	3 US-09-288-461-87	Sequence 87, Appl
2	18.0	90.0	20	3 US-09-288-461-23	Sequence 23, Appl
3	14.2	71.0	25	4 US-09-667-135-17	Sequence 17, Appl
4	14.2	71.0	30	2 US-09-704-931-14	Sequence 14, Appl
5	13.8	69.0	23	2 US-08-190-199A-39	Sequence 39, Appl
6	13.6	68.0	24	3 US-08-992-877-75	Sequence 75, Appl
7	13.4	67.0	20	3 US-09-433-699-33	Sequence 33, Appl
8	13.4	67.0	20	4 US-09-705-267A-173	Sequence 173, Appl
9	13.4	67.0	20	4 US-09-705-267A-174	Sequence 174, Appl
10	13.2	66.0	20	2 US-09-258-257-9	Sequence 9, Appl
11	13.2	66.0	20	2 US-09-258-371-13	Sequence 13, Appl
12	13.2	65.0	20	2 US-09-258-371-19	Sequence 19, Appl
13	13.2	66.0	20	3 US-08-569-721A-9	Sequence 9, Appl
14	13.2	66.0	20	3 US-08-751-23011	Sequence 13, Appl
15	13.2	66.0	20	3 US-08-751-230-19	Sequence 19, Appl
16	13.2	66.0	20	3 US-09-499-082-13	Sequence 13, Appl
17	13.2	66.0	20	3 US-09-499-082-19	Sequence 19, Appl
18	13.2	66.0	20	3 US-09-258-372-13	Sequence 13, Appl
19	13.2	66.0	20	3 US-09-258-372-19	Sequence 19, Appl
20	13.2	66.0	20	3 US-09-159-871-3	Sequence 3, Appl
21	13.2	66.0	21	2 US-08-743-637B-209	Sequence 209, Appl
22	13.2	66.0	22	3 US-08-556-419-5	Sequence 5, Appl
23	13.2	66.0	25	1 US-08-375-370-24	Sequence 24, Appl
24	13.2	66.0	25	1 US-08-367-568-24	Sequence 24, Appl
25	13.2	66.0	25	1 US-08-665-484-24	Sequence 24, Appl
26	13.2	66.0	30	1 US-08-159-519J-1	Sequence 1, Appl
27	12.8	64.0	20	1 US-08-363-233B-4	Sequence 4, Appl

ALIGNMENTS

SEQ ID NO	LENGTH	TYPE	ORGANISM	FEATURE	SEQUENCE
1	12.8	DNA	Artificial Sequence	Patentin Ver. 2.0	US-09-552-950-20
2	12.8	DNA	Artificial Sequence	Patentin Ver. 2.0	US-09-388-743-12
3	12.6	DNA	Artificial Sequence	Patentin Ver. 2.0	US-09-593-711A-173
4	12.6	DNA	Artificial Sequence	Patentin Ver. 2.0	US-09-388-743-12
5	12.6	DNA	Artificial Sequence	Patentin Ver. 2.0	US-09-388-743-12
6	12.6	DNA	Artificial Sequence	Patentin Ver. 2.0	US-09-388-743-12
7	12.6	DNA	Artificial Sequence	Patentin Ver. 2.0	US-09-388-743-12
8	12.6	DNA	Artificial Sequence	Patentin Ver. 2.0	US-09-388-743-12
9	12.6	DNA	Artificial Sequence	Patentin Ver. 2.0	US-09-388-743-12
10	12.6	DNA	Artificial Sequence	Patentin Ver. 2.0	US-09-388-743-12
11	12.6	DNA	Artificial Sequence	Patentin Ver. 2.0	US-09-388-743-12
12	12.6	DNA	Artificial Sequence	Patentin Ver. 2.0	US-09-388-743-12
13	12.6	DNA	Artificial Sequence	Patentin Ver. 2.0	US-09-388-743-12
14	12.6	DNA	Artificial Sequence	Patentin Ver. 2.0	US-09-388-743-12
15	12.6	DNA	Artificial Sequence	Patentin Ver. 2.0	US-09-388-743-12
16	12.6	DNA	Artificial Sequence	Patentin Ver. 2.0	US-09-388-743-12
17	12.6	DNA	Artificial Sequence	Patentin Ver. 2.0	US-09-388-743-12
18	12.6	DNA	Artificial Sequence	Patentin Ver. 2.0	US-09-388-743-12
19	12.6	DNA	Artificial Sequence	Patentin Ver. 2.0	US-09-388-743-12
20	12.6	DNA	Artificial Sequence	Patentin Ver. 2.0	US-09-388-743-12
21	12.6	DNA	Artificial Sequence	Patentin Ver. 2.0	US-09-388-743-12
22	12.6	DNA	Artificial Sequence	Patentin Ver. 2.0	US-09-388-743-12
23	12.6	DNA	Artificial Sequence	Patentin Ver. 2.0	US-09-388-743-12
24	12.6	DNA	Artificial Sequence	Patentin Ver. 2.0	US-09-388-743-12
25	12.6	DNA	Artificial Sequence	Patentin Ver. 2.0	US-09-388-743-12
26	12.6	DNA	Artificial Sequence	Patentin Ver. 2.0	US-09-388-743-12
27	12.6	DNA	Artificial Sequence	Patentin Ver. 2.0	US-09-388-743-12

SEQUENCES

SEQ ID NO	LENGTH	TYPE	ORGANISM	FEATURE	OTHER INFORMATION
1	12.8	DNA	Artificial Sequence	Patentin Ver. 2.0	US-09-552-950-20
2	12.8	DNA	Artificial Sequence	Patentin Ver. 2.0	US-09-388-743-12
3	12.8	DNA	Artificial Sequence	Patentin Ver. 2.0	US-09-388-743-12
4	12.8	DNA	Artificial Sequence	Patentin Ver. 2.0	US-09-388-743-12
5	12.8	DNA	Artificial Sequence	Patentin Ver. 2.0	US-09-388-743-12
6	12.8	DNA	Artificial Sequence	Patentin Ver. 2.0	US-09-388-743-12
7	12.8	DNA	Artificial Sequence	Patentin Ver. 2.0	US-09-388-743-12
8	12.8	DNA	Artificial Sequence	Patentin Ver. 2.0	US-09-388-743-12
9	12.8	DNA	Artificial Sequence	Patentin Ver. 2.0	US-09-388-743-12
10	12.8	DNA	Artificial Sequence	Patentin Ver. 2.0	US-09-388-743-12
11	12.8	DNA	Artificial Sequence	Patentin Ver. 2.0	US-09-388-743-12
12	12.8	DNA	Artificial Sequence	Patentin Ver. 2.0	US-09-388-743-12
13	12.8	DNA	Artificial Sequence	Patentin Ver. 2.0	US-09-388-743-12
14	12.8	DNA	Artificial Sequence	Patentin Ver. 2.0	US-09-388-743-12
15	12.8	DNA	Artificial Sequence	Patentin Ver. 2.0	US-09-388-743-12
16	12.8	DNA	Artificial Sequence	Patentin Ver. 2.0	US-09-388-743-12
17	12.8	DNA	Artificial Sequence	Patentin Ver. 2.0	US-09-388-743-12
18	12.8	DNA	Artificial Sequence	Patentin Ver. 2.0	US-09-388-743-12
19	12.8	DNA	Artificial Sequence	Patentin Ver. 2.0	US-09-388-743-12
20	12.8	DNA	Artificial Sequence	Patentin Ver. 2.0	US-09-388-743-12
21	12.8	DNA	Artificial Sequence	Patentin Ver. 2.0	US-09-388-743-12
22	12.8	DNA	Artificial Sequence	Patentin Ver. 2.0	US-09-388-743-12
23	12.8	DNA	Artificial Sequence	Patentin Ver. 2.0	US-09-388-743-12
24	12.8	DNA	Artificial Sequence	Patentin Ver. 2.0	US-09-388-743-12
25	12.8	DNA	Artificial Sequence	Patentin Ver. 2.0	US-09-388-743-12
26	12.8	DNA	Artificial Sequence	Patentin Ver. 2.0	US-09-388-743-12
27	12.8	DNA	Artificial Sequence	Patentin Ver. 2.0	US-09-388-743-12

Db 18 CTCCAGCAGCTGGAGCT 2 ; TITLE OF INVENTION: ANTISENSE MODULATION OF RAID EXPRESSION
; FILE REFERENCE: RTS-0211
; CURRENT APPLICATION NUMBER: US/09/705,267A
; CURRENT FILING DATE: 2000-11-01
; NUMBER OF SEQ ID NOS: 177
; SEQ ID NO 173 ;
; LENGTH: 20 ;
; TYPE: DNA ;
; ORGANISM: Artificial Sequence ;
; FEATURE: ;
; OTHER INFORMATION: Antisense Oligonucleotide ;
; US-09-705-267A-173 ;
; Query Match 67.0%; Score 13.4; DB 4; Length 20;
; Best Local Similarity 93.3%; Pred. No. 3.2e+03;
; Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
; Qy 2 CTCCAGCAGCTGGAGCT 16
; Db 1 CTCCAGCAGCTGGAGCT 15 ;
; RESULT 7 ;
; US-09-433-699-33 ;
; Sequence 33 Application US/09433699B ;
; Patent No. 6165786 ;
; GENERAL INFORMATION: ;
; APPLICANT: C. Frank Bennett ;
; ATTORNEY/AGENT: Lex M. Cowert ;
; TITLE OF INVENTION: ANTISENSE MODULATION OF NUCLEOLIN EXPRESSION ;
; FILE REFERENCE: RTS-0109 ;
; CURRENT APPLICATION NUMBER: US/09/433,699B ;
; CURRENT FILING DATE: 1999-11-03 ;
; NUMBER OF SEQ ID NOS: 89 ;
; SEQ ID NO 33 ;
; LENGTH: 20 ;
; TYPE: DNA ;
; ORGANISM: Artificial Sequence ;
; FEATURE: ;
; OTHER INFORMATION: Artificial Sequence ;
; US-09-433-699-33 ;
; RESULT 8 ;
; US-09-705-267A-173 ;
; Sequence 173 Application US/09705267A ;
; Patent No. 6551826 ;
; GENERAL INFORMATION: ;
; APPLICANT: Hong Zhang ;
; ATTORNEY/AGENT: Susan M. Freier ;
; APPLICANT: Andrew T. Watt ;
; TITLE OF INVENTION: ANTISENSE MODULATION OF RAID EXPRESSION ;
; FILE REFERENCE: RTS-0211 ;
; CURRENT APPLICATION NUMBER: US/09/705,267A ;
; CURRENT FILING DATE: 2000-11-01 ;
; NUMBER OF SEQ ID NOS: 177 ;
; SEQ ID NO 174 ;
; LENGTH: 20 ;
; TYPE: DNA ;
; ORGANISM: Artificial Sequence ;
; FEATURE: ;
; OTHER INFORMATION: Antisense Oligonucleotide ;
; US-09-705-267A-174 ;
; Query Match 67.0%; Score 13.4; DB 4; Length 20;
; Best Local Similarity 93.3%; Pred. No. 3.2e+03;
; Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
; Qy 2 CTCCAGCAGCTGGAGCT 16
; Db 4 CTCCAGCAGCTGGAGCT 18 ;
; RESULT 9 ;
; US-09-705-267A-174 ;
; Sequence 174 Application US/09705267A ;
; Patent No. 6551826 ;
; GENERAL INFORMATION: ;
; APPLICANT: Hong Zhang ;
; ATTORNEY/AGENT: Susan M. Freier ;
; APPLICANT: Andrew T. Watt ;
; TITLE OF INVENTION: ANTISENSE MODULATION OF RAID EXPRESSION ;
; FILE REFERENCE: RTS-0211 ;
; CURRENT APPLICATION NUMBER: US/09/705,267A ;
; CURRENT FILING DATE: 2000-11-01 ;
; NUMBER OF SEQ ID NOS: 177 ;
; SEQ ID NO 174 ;
; LENGTH: 20 ;
; TYPE: DNA ;
; ORGANISM: Artificial Sequence ;
; FEATURE: ;
; OTHER INFORMATION: Artificial Sequence ;
; US-09-433-699-33 ;
; RESULT 10 ;
; US-09-258-257-9/C ;
; Sequence 9 Application US/09258257 ;
; Patent No. 5965398 ;
; GENERAL INFORMATION: ;
; APPLICANT: GARKATSEV, Igor ;
; ATTORNEY/AGENT: RUBOMOL, Karl ;
; TITLE OF INVENTION: DNA SEQUENCE ENCODING A TUMOR SUPPRESSOR GENE ;
; NUMBER OF SEQUENCES: 12 ;
; CORRESPONDENCE ADDRESS: ;
; ADDRESSEE: Burns, Doane, Swecker & Mathis ;
; STREET: P.O. Box 1404 ;
; CITY: Alexandria ;
; STATE: Virginia ;
; COUNTRY: United States ;
; ZIPP: 22311-1404 ;
; COMPUTER READABLE FORM: ;
; MEDIUM TYPE: Floppy disk ;
; COMPUTER: IBM PC compatible ;
; OPERATING SYSTEM: PC-DOS/MS-DOS ;

CURRENT APPLICATION DATA:

PATENT IN RELEASE #1.0, VERSION #1.30

APPLICATION NUMBER: US/09/258,257

FILING DATE: 08 DEC 1995

CLASSIFICATION:

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/569,721

FILING DATE: 08 DEC 1995

ATTORNEY/AGENT INFORMATION:

NAME: Moi, Leslie A.

REGISTRATION NUMBER: 37,047

TELECOMMUNICATION INFORMATION:

TELEPHONE: (650) 854-7400

TELEFAX: (650) 854-8275

INFORMATION FOR SEQ ID NO: 9:

SEQUENCE CHARACTERISTICS:

LENGTH: 20 base pairs

TYPE: nucleic acid

STRANDEDNESS: single

TOPOLOGY: linear

MOLECULE TYPE: other nucleic acid

US-09-258-257-9

Query Match

Best Local Similarity 83,3%; Score 13,2; DB 2; Length 20;

Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 3 TCCAGGATCTGGTGCCTC 20

Db 3 TCCACCATCGCCGCCTC 20

RESULT 11

US-09-258-371-13

Sequence 13, Application US/09258371

PATENT NO. 5986078

GENERAL INFORMATION:

APPLICANT: Garkavisev, Igor

APPLICANT: Rababow, Karl

TITLE OF INVENTION: DNA SEQUENCE ENCODING THE TUMOR

TITLE OF INVENTION: SUPPRESSOR GENE IN51

NUMBER OF SEQUENCES: 23

CORRESPONDENCE ADDRESS:

ADDRESSEE: Burns, Duane, Swecker & Mathis

STREET: 699 Prince Street

CITY: Alexandria

STATE: VA

COUNTRY: USA

ZIP: 22313-1404

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/258,371

FILING DATE:

CLASSIFICATION:

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/751,230

FILING DATE:

ATTORNEY/AGENT INFORMATION:

NAME: Moi, Leslie A.

REGISTRATION NUMBER: 37,047

REFERENCE/DOCKET NUMBER: 028722-144

TELECOMMUNICATION INFORMATION:

TELEPHONE: 415-854-7400

TELEFAX: 415-854-8275

INFORMATION FOR SEQ ID NO: 19:

SEQUENCE CHARACTERISTICS:

LENGTH: 20 base pairs

TYPE: nucleic acid

STRANDEDNESS: single

TOPOLOGY: linear

MOLECULE TYPE: other nucleic acid

US-09-258-371-19

Query Match

Best Local Similarity 83,3%; Score 13,2; DB 2; Length 20;

Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 3 TCCAGGATCTGGTGCCTC 20

Db 3 TCCACCATCGCCGCCTC 20

RESULT 13

US-08-569,721A-9/4C

Sequence 9, Application US/08569721A

PATENT NO. 6037121

GENERAL INFORMATION:

APPLICATION NUMBER: US 08/569721
 FILING DATE: 08-DEC-1995
 ATTORNEY/AGENT INFORMATION:
 NAME: Mooi, Leslie A.
 REGISTRATION NUMBER: 37,047
 REFERENCE/DOCKET NUMBER: 026722-144
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 415-854-7400
 TELEFAX: 415-854-8275
 INFORMATION FOR SEQ ID NO: 13:
 SEQUENCE CHARACTERISTICS:
 SEQUENCE: TCCAGCATCTGCTGCTTC 20
 LENGTH: 20 base pairs
 STRANDEDNESS: single
 TOPOLogy: linear
 TYPE: nucleic acid
 MOLECULE TYPE: other nucleic acid
 US-08-751-230-13

Query Match 66.0%; Score 13.2; DB 3; length 20;
 Best Local Similarity 83.3%; Pred. No. 3.9e+03;
 Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 3 TCCAGCATCTGCTGCTTC 20
 Db 3 TGCAAGCATCGGCCGCCTC 20

RESULT 15
 US-08-751-230-19/C
 Sequence 19, Application US/08751230
 Patent No. 6117633
 GENERAL INFORMATION:
 APPLICANT: Garkavtsev, Igor
 ADDRESS: Burns, Doane, Swecker & Mathis
 STREET: 699 Prince Street
 CITY: Alexandria
 STATE: VA
 COUNTRY: USA
 ZIP: 22313-1404
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatientIn Release #1.0, Version #1.30
 CURRENT APPLICATION DATA:
 FILING DATE: 08-DEC-1995
 ATTORNEY/AGENT INFORMATION:
 NAME: Mooi, Leslie A.
 REGISTRATION NUMBER: 37,047
 REFERENCE/DOCKET NUMBER: 026722-144
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 415-854-7400
 TELEFAX: 415-854-8275
 INFORMATION FOR SEQ ID NO: 19:
 SEQUENCE CHARACTERISTICS:
 SEQUENCE: TCCAGCATCTGCTGCTTC 20
 LENGTH: 20 base pairs
 STRANDEDNESS: single
 TOPOLogy: linear
 TYPE: nucleic acid
 MOLECULE TYPE: other nucleic acid
 US-08-751-230-19

Query Match 66.0%; Score 13.2; DB 3; length 20;
 Best Local Similarity 83.3%; Pred. No. 3.9e+03;
 Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 3 TCCAGCATCTGCTGCTTC 20
 Db 3 TGCAAGCATCGGCCGCCTC 20

RESULT 14
 US-08-751-230-13
 Sequence 13, Application US/08751230
 Patent No. 6117633
 GENERAL INFORMATION:
 APPLICANT: Garkavtsev, Igor
 ADDRESS: Burns, Doane, Swecker & Mathis
 STREET: 699 Prince Street
 CITY: Alexandria
 STATE: VA
 COUNTRY: USA
 ZIP: 22313-1404
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatientIn Release #1.0, Version #1.30
 CURRENT APPLICATION DATA:
 FILING DATE: 15-NOV-1996
 ATTORNEY/AGENT INFORMATION:
 NAME: Mooi, Leslie A.
 REGISTRATION NUMBER: 37,047
 REFERENCE/DOCKET NUMBER: 026722-144
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 415-854-7400
 TELEFAX: 415-854-8275
 INFORMATION FOR SEQ ID NO: 19:
 SEQUENCE CHARACTERISTICS:
 SEQUENCE: TCCAGCATCTGCTGCTTC 20
 LENGTH: 20 base pairs
 STRANDEDNESS: single
 TOPOLogy: linear
 TYPE: nucleic acid
 MOLECULE TYPE: other nucleic acid
 US-08-751-230-19

Query Match 66.0%; Score 13.2; DB 3; length 20;
 Best Local Similarity 83.3%; Pred. No. 3.9e+03;
 Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 3 TCCAGCATCTGCTGCTTC 20
 Db 3 TGCAAGCATCGGCCGCCTC 20

RESULT 14
 US-08-751-230-13
 Sequence 13, Application US/08751230
 Patent No. 6117633
 GENERAL INFORMATION:
 APPLICANT: Garkavtsev, Igor
 ADDRESS: Burns, Doane, Swecker & Mathis
 STREET: 699 Prince Street
 CITY: Alexandria
 STATE: VA
 COUNTRY: USA
 ZIP: 22313-1404
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatientIn Release #1.0, Version #1.30
 CURRENT APPLICATION DATA:
 FILING DATE: 15-NOV-1996
 ATTORNEY/AGENT INFORMATION:
 NAME: Mooi, Leslie A.
 REGISTRATION NUMBER: 37,047
 REFERENCE/DOCKET NUMBER: 026722-144
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 415-854-7400
 TELEFAX: 415-854-8275
 INFORMATION FOR SEQ ID NO: 19:
 SEQUENCE CHARACTERISTICS:
 SEQUENCE: TCCAGCATCTGCTGCTTC 20
 LENGTH: 20 base pairs
 STRANDEDNESS: single
 TOPOLogy: linear
 TYPE: nucleic acid
 MOLECULE TYPE: other nucleic acid
 US-08-751-230-19

Query Match 66.0%; Score 13.2; DB 3; length 20;
 Best Local Similarity 83.3%; Pred. No. 3.9e+03;
 Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 3 TCCAGCATCTGCTGCTTC 20
 Db 3 TGCAAGCATCGGCCGCCTC 20

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us-09-758-881-115.rni

Page 6

Best local Similarity 83.3%; pred. No. 3.9e+03; Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
QY 3 TCCAGCATCTGCTTC 20
DB 18 TGGAGATCCGGCTTC 1

Search completed: August 19, 2003, 21:21:58
Job time : 68 secs